

Day : Saturday
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PALM INTRANET

Inventor Name Search Result

Your Search was:

Last Name = LUNEAU

First Name = DAVID

Application#	Patent#	Status	Date Filed	Title	Inventor Name
60271556	Not Issued	020	02/26/2001	LOOP TEST APPARATUS AND METHOD	LUNEAU, DAVID J.
10336562	Not Issued	019	01/03/2003	TELEPHONE NETWORK MESSAGING	LUNEAU, DAVID J.
10082403	Not Issued	030	02/25/2002	LOOP TEST APPARATUS AND METHOD	LUNEAU, DAVID J.
10042686	Not Issued	071	03/14/2000	CALLING PARTY ANNOUNCEMENT APPARATUS	LUNEAU, DAVID J.
10038866	Not Issued	030	01/04/2002	TELEPHONE NETWORK MESSAGING	LUNEAU, DAVID J.
08660814	6038443	150	06/10/1996	CALLING PARTY ANNOUNCEMENT APPARATUS	LUNEAU , DAVID J.
08303534	5526406	150	09/09/1994	CALLING PARTY ANNOUNCEMENT APPARATUS	LUNEAU , DAVID J.
07830003	5426634	150	01/31/1992	FLEXIBLE CALL-PROCESSING APPARATUS FOR ISDN TELEPHONE CHANNELS	LUNEAU , DAVID J.
07827262	Not Issued	168	01/29/1992	CALLING PARTY ANNOUNCEMENT APPARATUS	LUNEAU , DAVID J.

Inventor Search Completed: No Records to Display.

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Search Another: Inventor	<input type="text" value="luneau"/>	<input type="text" value="david"/>	<input type="button" value="Search"/>

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	Type	L #	Hits	Search Text
1	BRS	L1	75	((caller adj id) or clid) same (synthesi\$6)
2	BRS	L2	428	((caller adj id) or clid) with (voice or audio or speech)
3	BRS	L3	445	((caller adj id) or clid) with (voice or audio or speech or audible)
4	BRS	L4	445	((caller adj id) or clid) with (voice or audio or speech or audible or vocal\$4)

	DBs	Time Stamp	Comments	Error Definition
1	USPAT	2003/05/24 16:21		
2	USPAT	2003/05/24 16:24		
3	USPAT	2003/05/24 16:28		
4	USPAT	2003/05/24 16:29		

US-PAT-NO: 5289530

DOCUMENT-IDENTIFIER: US 5289530 A

**TITLE: Method and apparatus for vocally
communicating to a
caller at a remote telephone station
synthesized speech
of stored special service information**

----- KWIC -----

Abstract Text - ABTX (1):

**A telephone system is disclosed for remotely obtaining
from a selected local
telephone station audible synthesized speech
representative of directory
telephone numbers and/or names of previous callers
stored digitally or
alphanumerically in a data memory of a Caller ID
interface unit at the local
telephone station. The stored directory telephone
numbers and/or names were
previously sent to the local telephone station from
terminating central office
Stored Program Controlled Switching (SPCS) equipment**

**responsively to the
telephone line of the local telephone station having
Caller ID service and/or
other Custom Local Area Signalling System (CLASS)
services which discloses a
calling party directory telephone number and/or name to
a called party. An
apparatus, such as a telephone station set or a separate
stand-alone unit
connected to the telephone station set, and method are
also disclosed for
recalling the stored directory telephone numbers and/or
names from the data
memory of the Caller ID interface unit and converting the
directory telephone
numbers and/or names into a form which can be
processed by a speech generator,
for receiving the directory telephone numbers and/or
names to the speech
generator which converts logic signals of the directory
telephone numbers
and/or names into sounds to audible synthesized speech,
and for communicating
the audible speech to a calling customer at a remote
telephone station, in
response to a predetermined command code keyed-in on
the remote telephone
station keypad by the calling customer.**

Detailed Description Text - DETX (14):

The microprocessor 206 communicates to the speech generator 210 through the address decoder 207, the address bus 214, the data bus 213, and the control bus 215 which includes read and write conductors. The speech generator receives 8 bit data (special service information) into its holding registers from the data memory of the Caller ID interface 212 and converts the 8 bit data into audible sounds to synthesized speech. This audible speech is then communicated to the customer at the remote telephone station 1.

Detailed Description Text - DETX (19):

The microprocessor 206 reads the byte of data from the data memory of the Caller ID interface 212. This data is then converted into a form which the speech generator 210 can process. The speech generator contains a processor which takes a byte of data in its holding register and converts logic signals into audible sounds to synthesized speech. For example, a binary code of "00010100" might produce the sound "twenty". Multiple logic signals can also be sent to the speech generator to construct a complete telephone number and/or to spell out a name. The microprocessor then addresses

the speech generator which receives the converted data into its holding register. The speech generator then outputs a logic signal which disables the microprocessor from sending additional data to the holding register until it has finished converting the already received data into an audible signal. The speech generator asserts a signal which allows the microprocessor to transfer additional data if available. Addressing successive data locations in the data memory allows for continuing data (special service information) to be communicated, vocally, to the customer at the remote telephone station 1. This process continues until all the data in the data memory has been communicated to the customer. When dial tone or other signalling tones are detected on the line of the local telephone station 3 by the call progress detector 205 during or after the data in the data memory has been communicated to the customer, the call progress detector places status data on the input port of the microprocessor 206 which then executes a program in the program memory 208. This program initiates an on-hook condition at the local telephone station 3.

All non-permanent registers and timers of the apparatus are then re-initialized to a starting state for the next incoming call.